

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

William F. Howard, et al.

Serial No.: 10/648,815

Confirmation No.: 4562

Filed: August 26, 2003

For: WELLBORE PUMPING WITH
IMPROVED TEMPERATURE
PERFORMANCE

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

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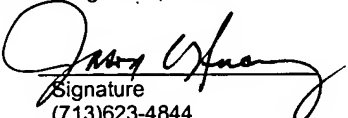
Group Art Unit: 3672

Examiner: Matthew J. Smith

Customer No.: 36735

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 21, 2006.

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| <u>Jason C. Huang</u>         |  |
| <u>Typed Name</u>             | <u>Signature</u>                                                                    |
| <u>46,222</u>                 | <u>(713)623-4844</u>                                                                |
| <u>Reg. No. if applicable</u> | <u>Telephone Number</u>                                                             |

**RESPONSE TO OFFICE ACTION DATED APRIL 21, 2006**

In response to the Office Action dated April 21, 2006, having a shortened statutory period for response extended one-month set to expire on August 21, 2006, please enter this response and reconsider the claims pending in the application for reasons discussed below. The Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/WEAT/0313/WBP, the fee of \$ 400.00 for 4 additional claims, including 1 independent claim, and for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Amendments to the Drawings** begin on page 10 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks/Arguments** begin on page 11 of this paper.

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| 03 FC:1202 | 200.00 DA |